

FIG. 1A

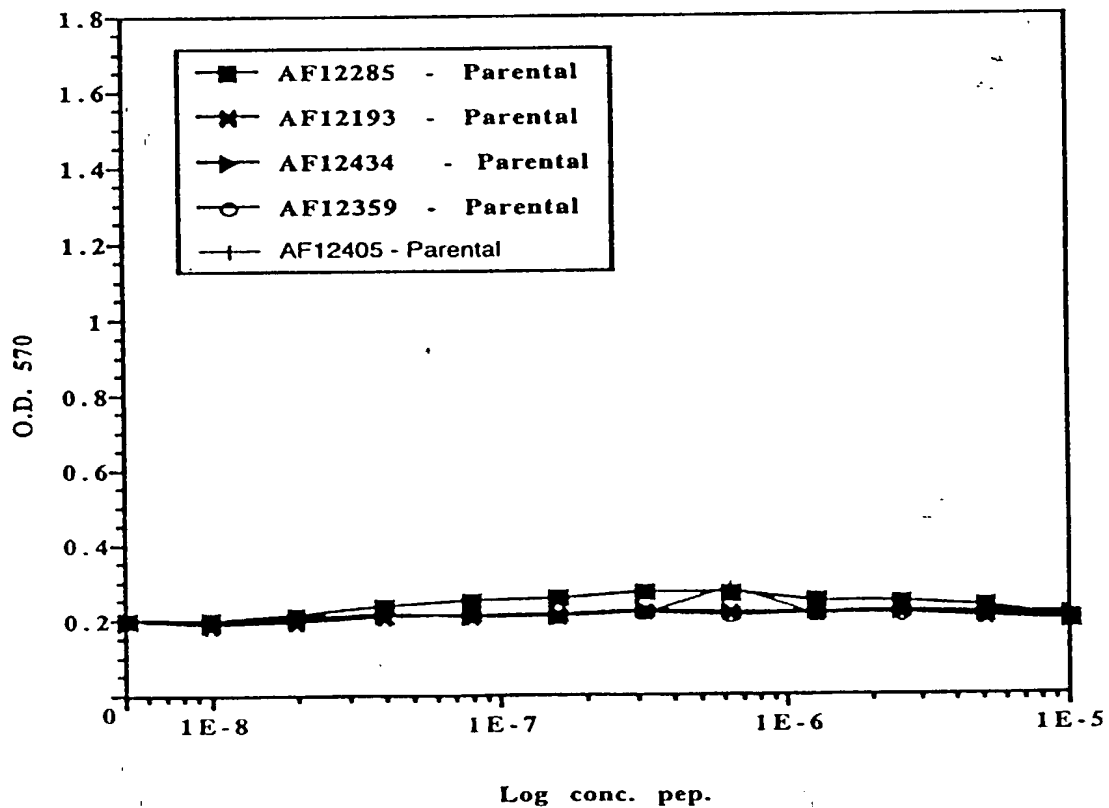


FIG. 1B

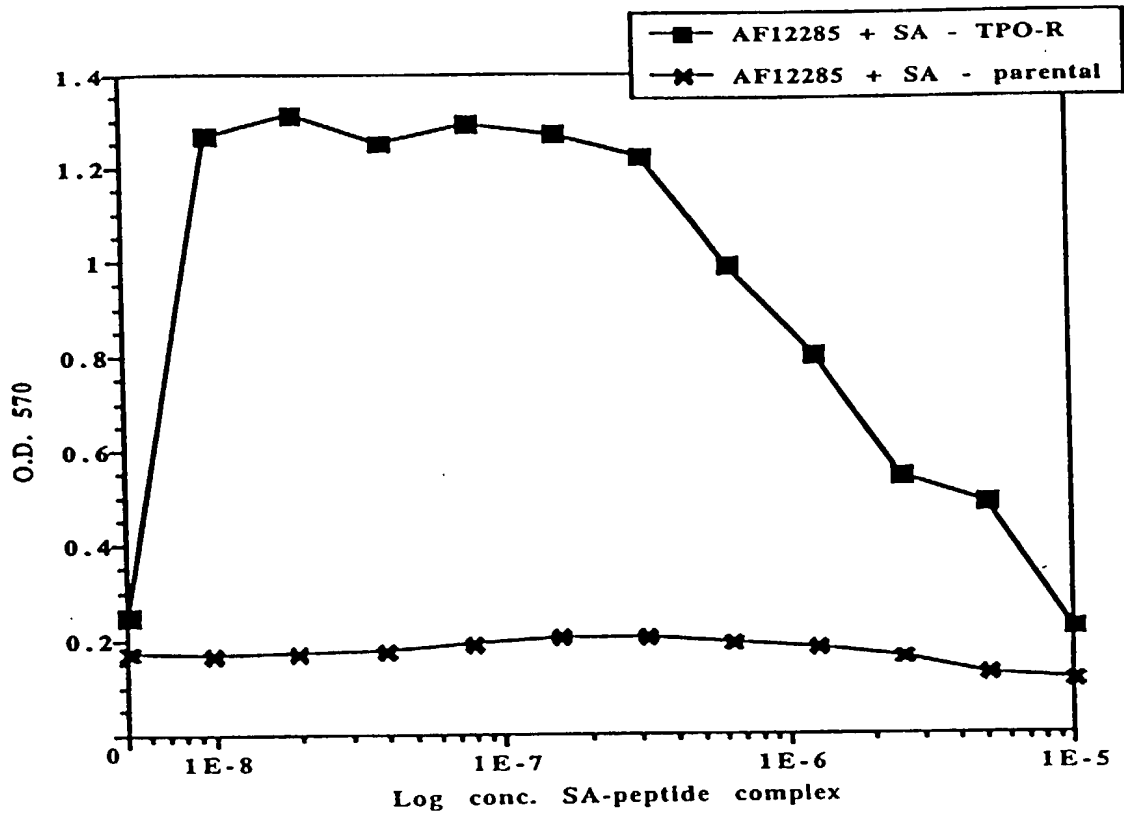


FIG. 2A

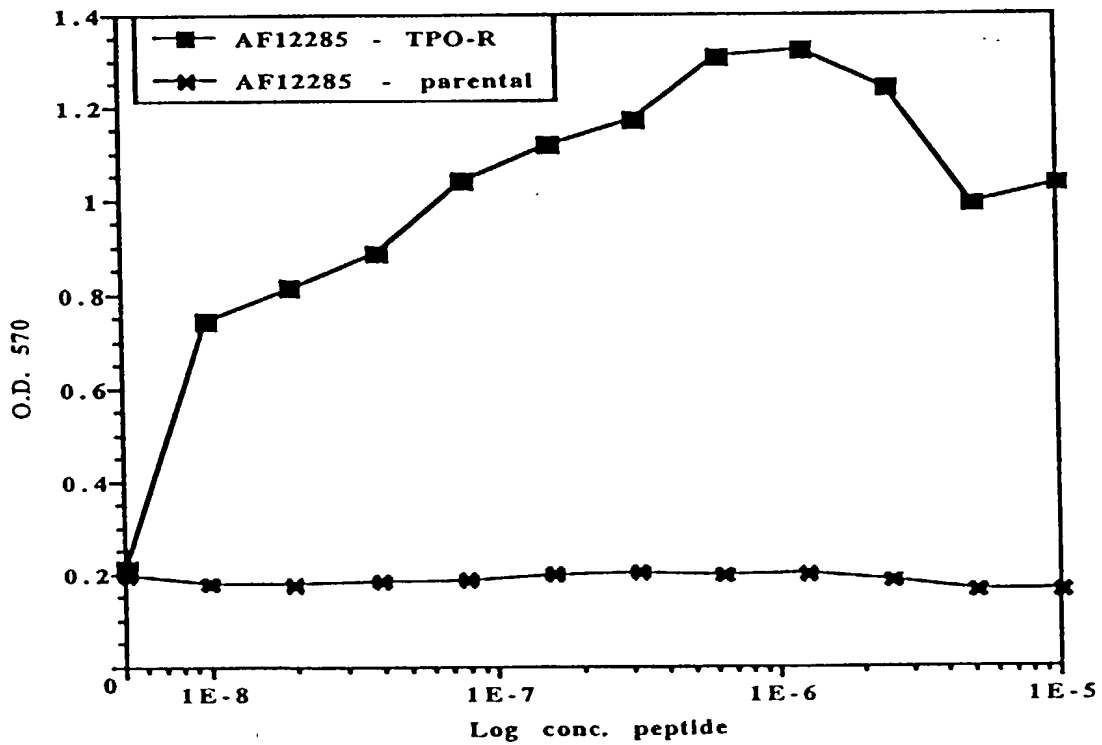


FIG. 2B

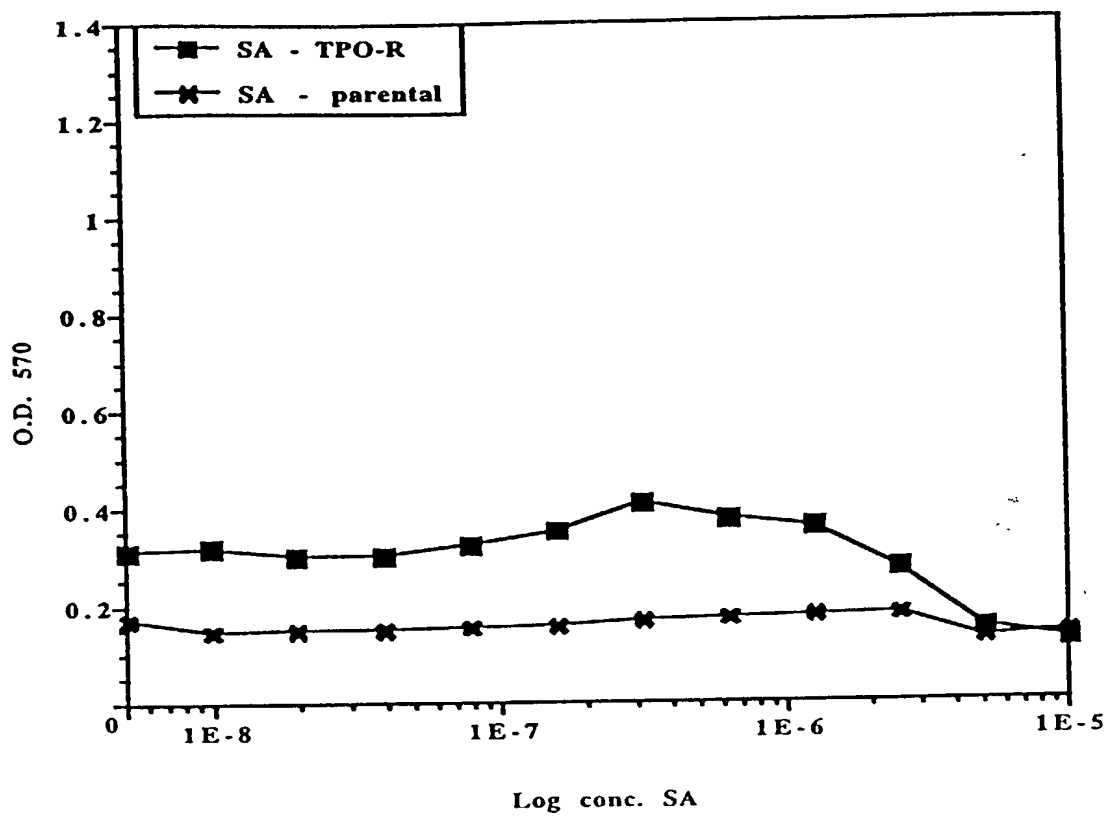


FIG. 2C

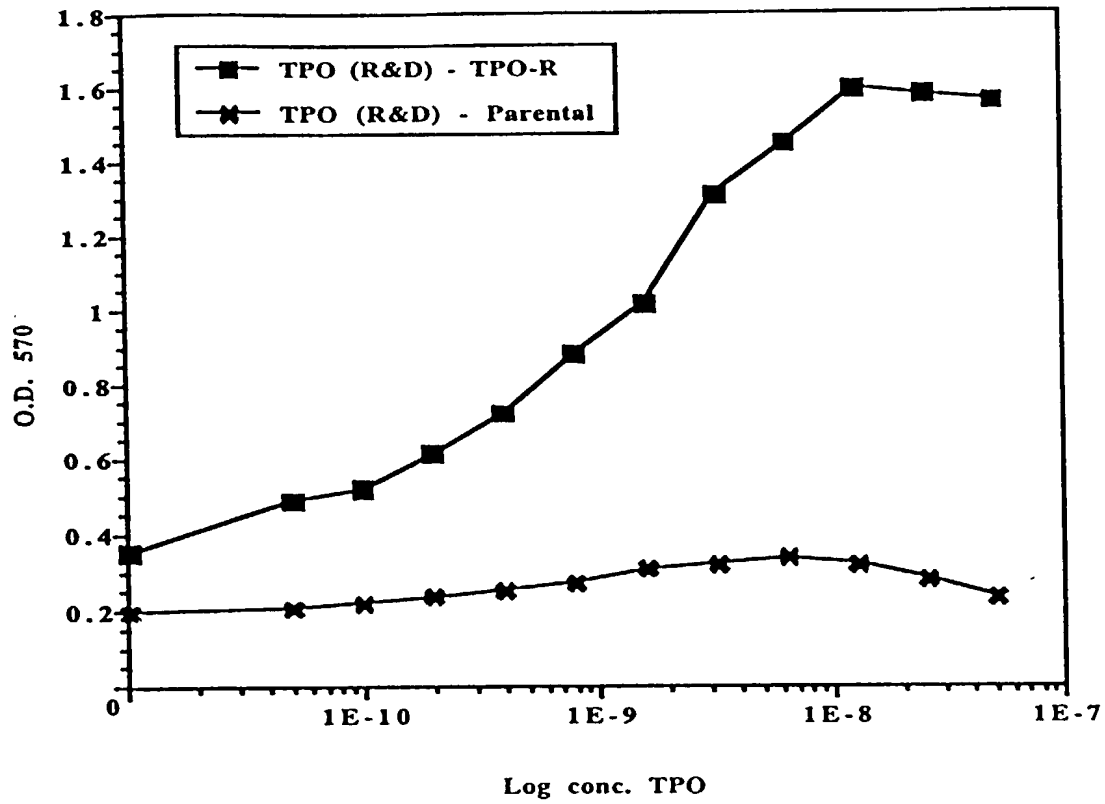


FIG. 3A

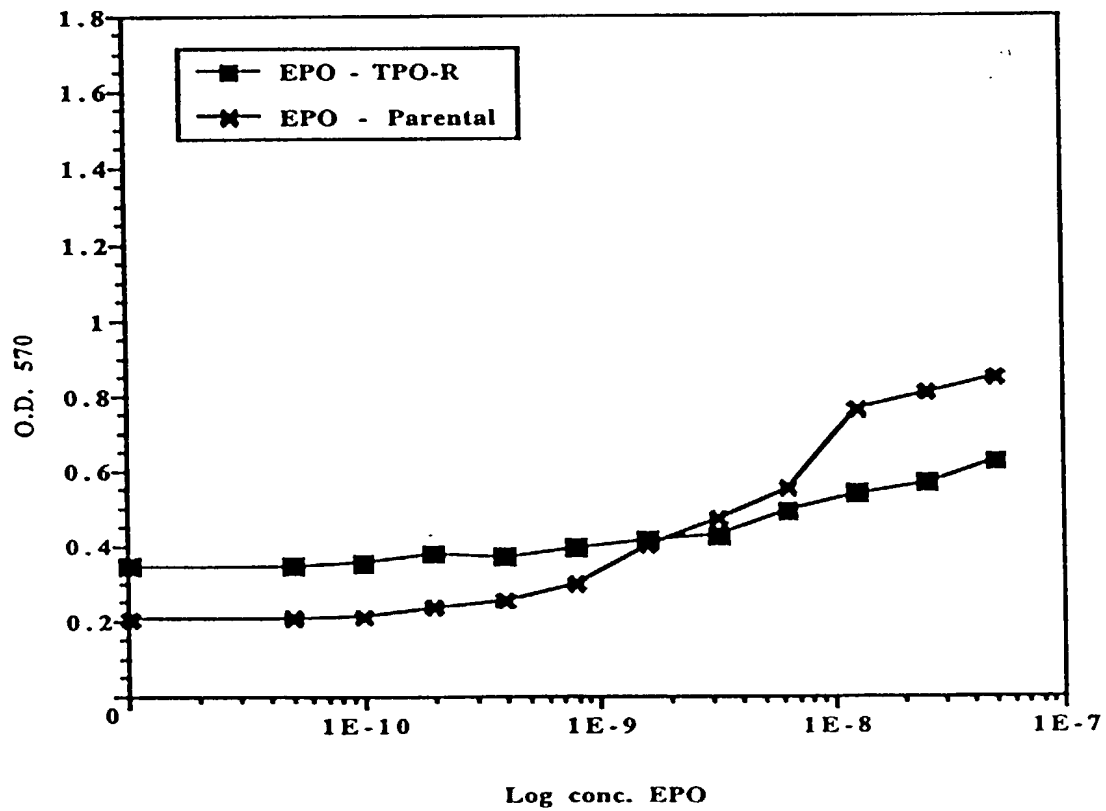


FIG. 3B

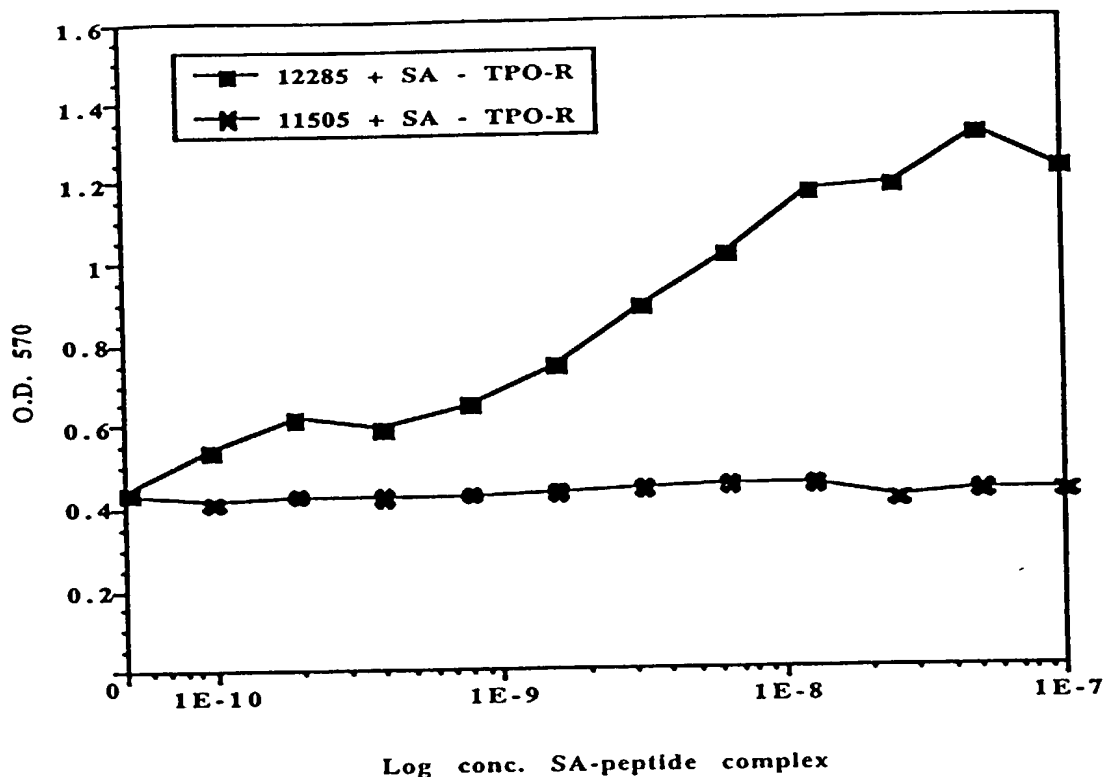


FIG. 3C

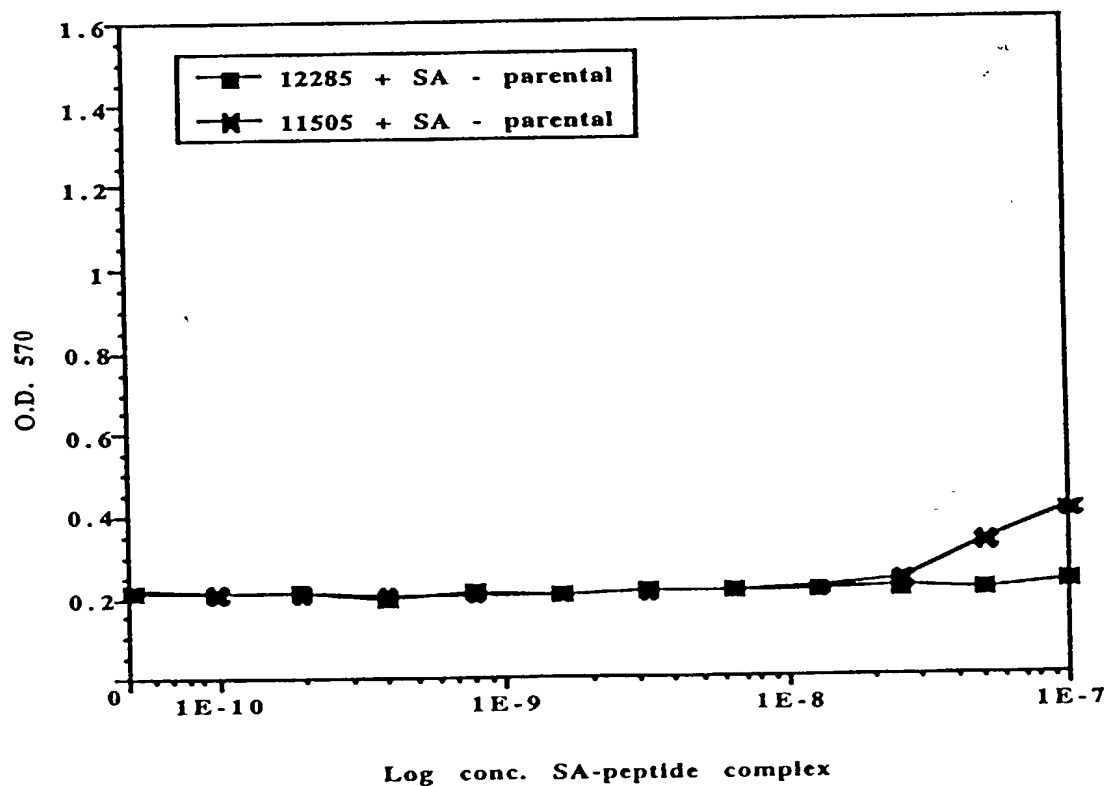


FIG. 3D

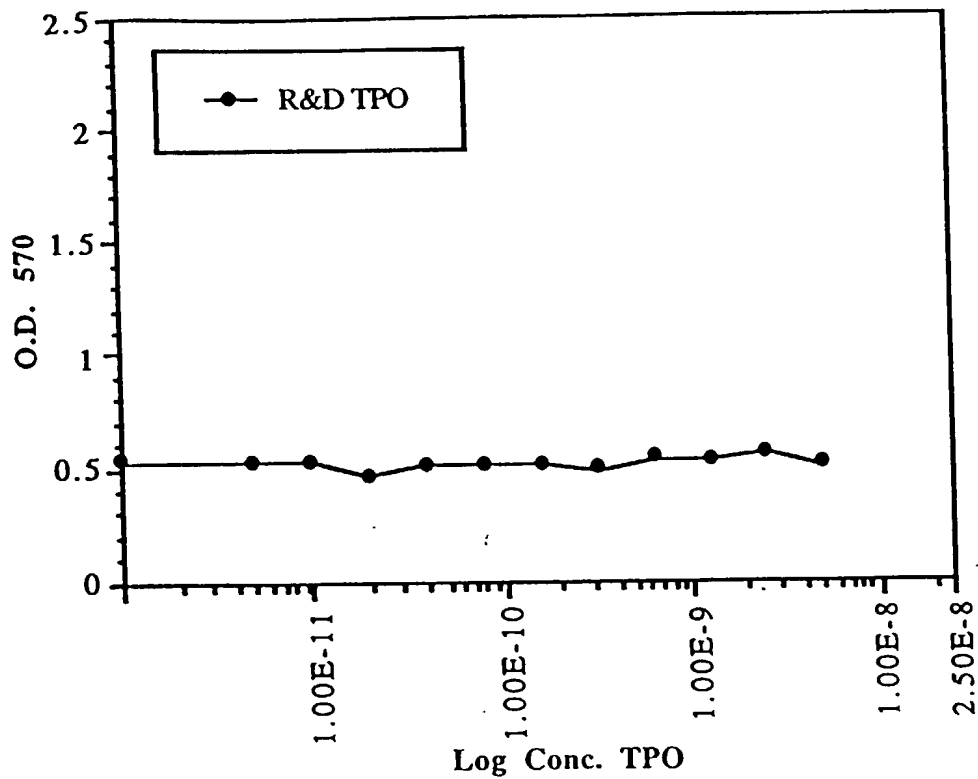


FIG. 3E

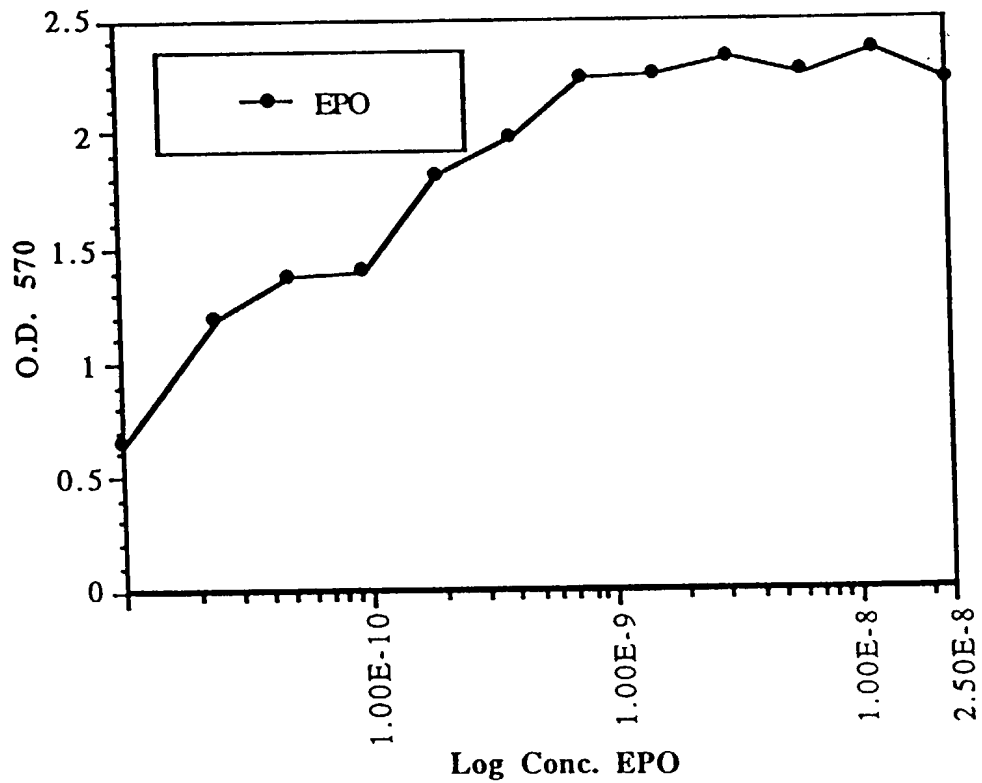


FIG. 3F

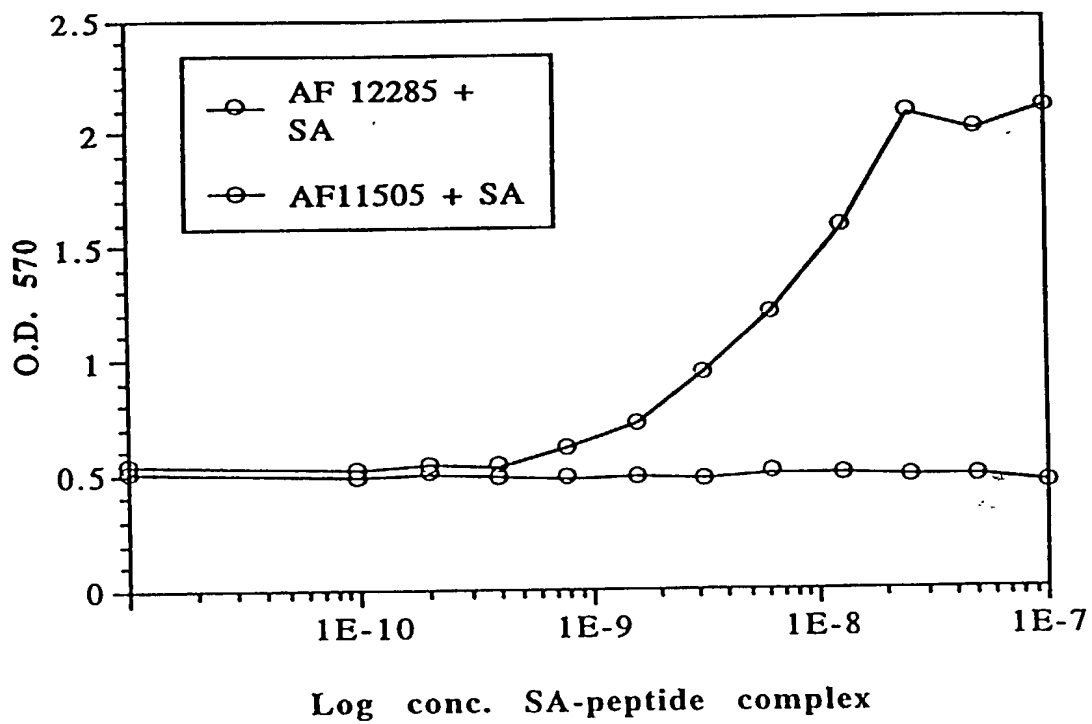


FIG. 3G

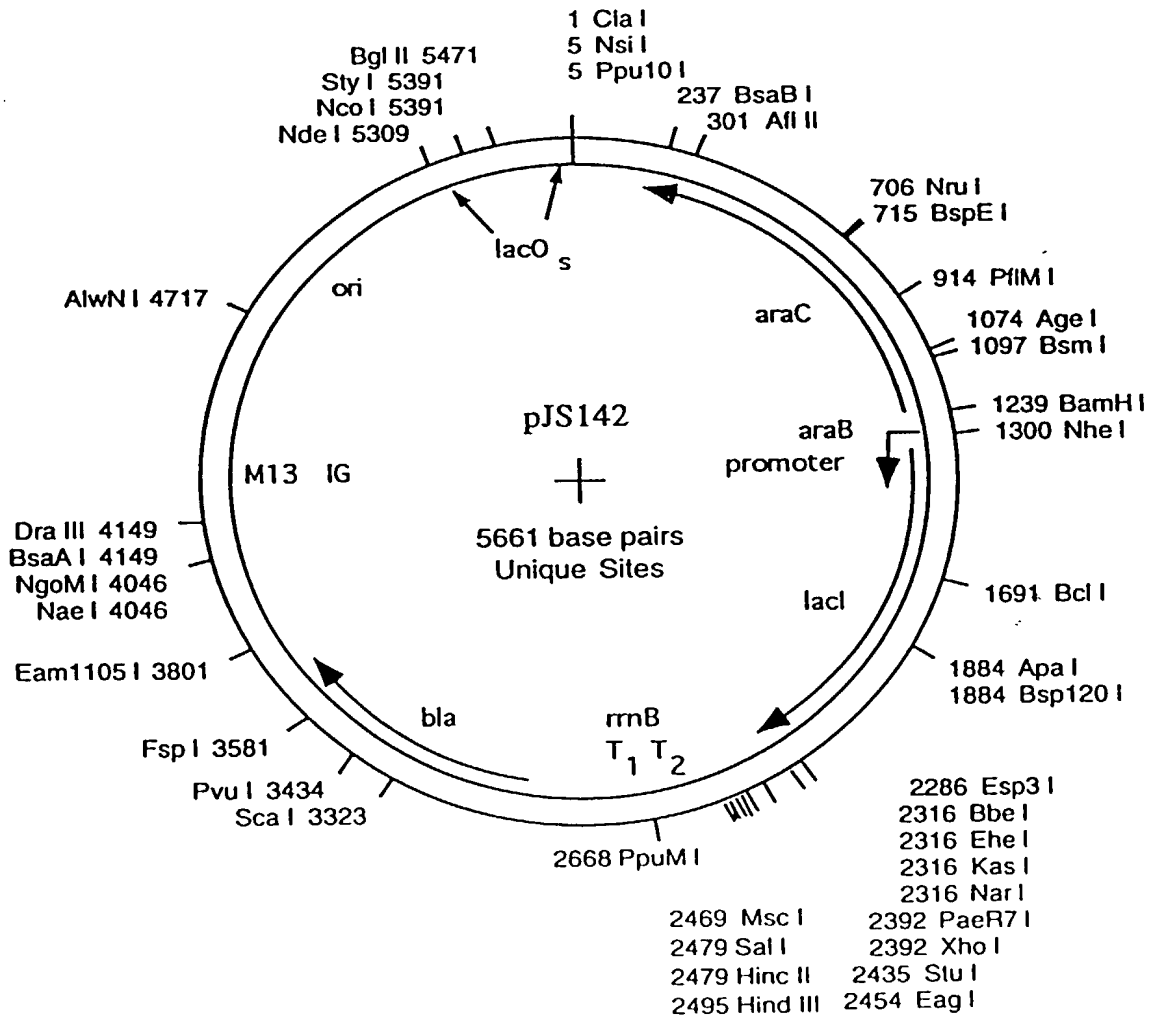


FIG. 4A

pJS142 Library Vector, cloning sites at 3' end of lacI gene:

```

---lacI-----><-----linker----->
                Sfi I      Eag I
                Stu I      Hpa I      Sfi I      Msc I      Sal I
Xho I          L E S G Q V V H G E Q V G G E A S G A V N G R G L A G Q *
CTCGAGAGCGGGCAGgtggtgcatggggagcaggtgggtggtgagCCCTCCGGGGCGGTTAACGGCCGCTGGCCTAGCTGGCCCAATAAgtcgac
GAGCTCTCGCCCGTCcaccacgtaccctcgtccaccaccactccGGAGGCCCCCGGCAATTGCCGGCACCGGATCGACCGGTTATTcagctg

```

FIG. 4B

library Construction after SfiI digestion:

```

---lacI-----><-----linker-----><library>
                BspE I
                Stu I      Xho I
                L E S G Q V V H G E Q V G G E A S G G G Xn *
CTCGAGAGCGGGCAGgtggtgcatggggagcaggtgggtggtgagCCCTCCG gaggtggt(NNK)n taactaagtaaagc TGGCCCAATAAgtcgac
GAGCTCTCGCCCGTCcaccacgtaccctcgtccaccaccactccCGGA ggcctccacca attgattcatt TCGACCGGTTATTcagctg

```

Library Oligo

ON-830

ON-829

FIG. 4C

pELM3/pELM15 MBP vector cloning sites:

| ---MBP--- | | <-----linker-----> | | | | | | | | | | <---Xa | | | | | |
|-----------|-----|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|
| | | Sac I | | | | | | | | | | | | | | | |
| Q | T | N | S | S | S | N | N | N | N | N | N | N | L | G | I | E | |
| CAG | ACT | AAT | TCG | AGC | TCG | AAC | AAC | AAC | AAT | AAC | AAT | AAC | AAC | CTC | GGG | ATC | GAG |
| GTC | TGA | TTA | AGC | TCG | AGC | TTG | TTG | TTG | TTA | TTG | TTA | TTG | TTG | GAG | CCC | TAG | CTC |

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Serial No.: To be assigned
Attorney: Virginia C. Bennett
Telephone: (919) 483-1012
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| Xa | | cloning sites | | | | | | | | | | | | | | | |
|------|-----|---------------|-----|-----|-----|------|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|
| <--- | | --- | | | | | | | | | | >--- | | | | | |
| Age | I | Pml | I | Sma | I | EcoR | I | BamH | I | Xba | I | Sal | I | Pst | I | Hind | III |
| G | R | T | G | H | V | A | R | E | F | G | S | R | V | D | L | A | S |
| GGG | AGG | ACC | GGT | CAC | GTG | GCC | CGG | GAA | TTC | GGA | TCC | TCT | AGA | GTC | CTG | CAG | AGC |
| CCT | TCC | TGG | CCA | GTG | CAC | CGG | GCC | CTT | AAG | CCT | AGG | TCT | CAG | CTG | GAC | GTC | TCG |

FIG. 5A

pELM3/pELM15 after subcloning of library insert:

| Xa-----> | <-----linker---- | <library> | | | | Msc I | Sal I |
|----------|------------------|-----------|-----|-----|-------|--------------------|---|
| G | R | T | G | G | X_n | * | |
| GGA | AGG | ACC | GGA | GGT | GGT | (NNK) _n | TAA CTA AGT AAA GCT GGC CAA TAA GTC GAC |
| CCT | TCC | TGG | CCT | CCA | CCA | (NNM) _n | ATT GAT TCA TTT CGA CCG GTT ATT CAG CTG |

FIG. 5B

[illegible]

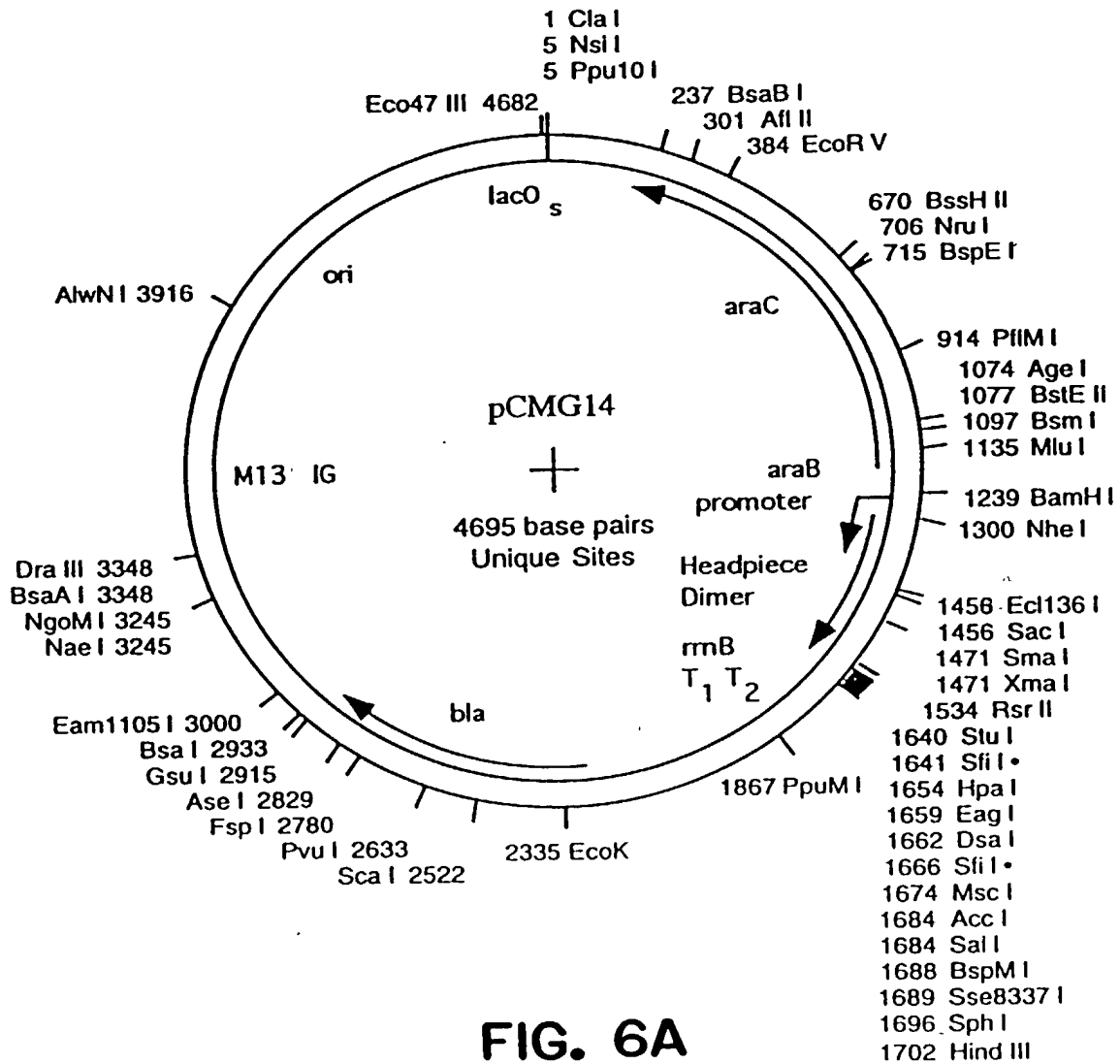
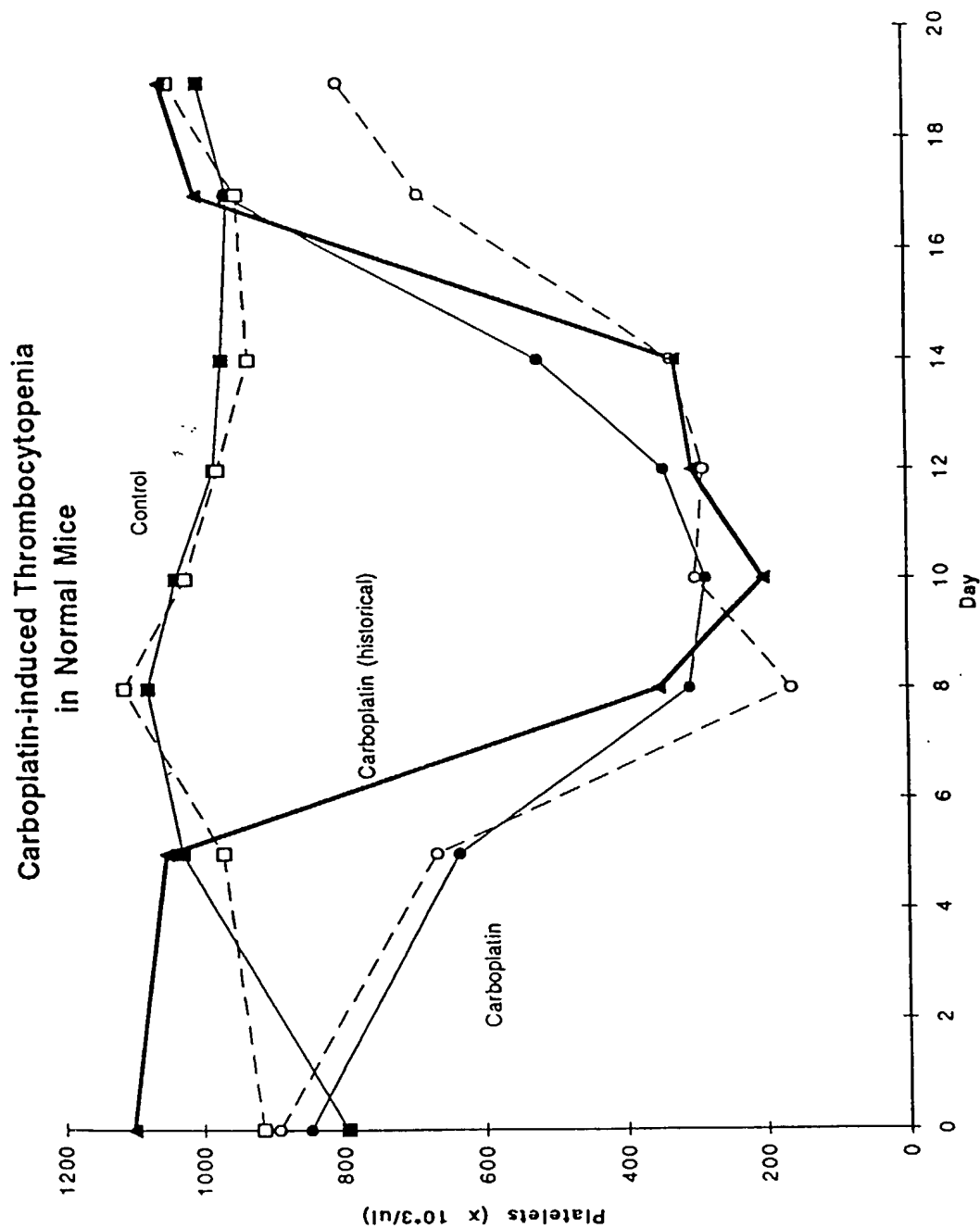


FIG. 6A



BALB/c mice were treated with carboplatin (125 mg/kg) on Day 0.

Dashed lines represent female mice.

Solid lines represent male mice.

Bold line represents data published by Ulich, T. R., et al. Blood 86(3):971-976, 1995.

FIG. 7

Carboplatin-induced Thrombocytopenia in Normal Mice:
Single-dose Titration (mg/kg)

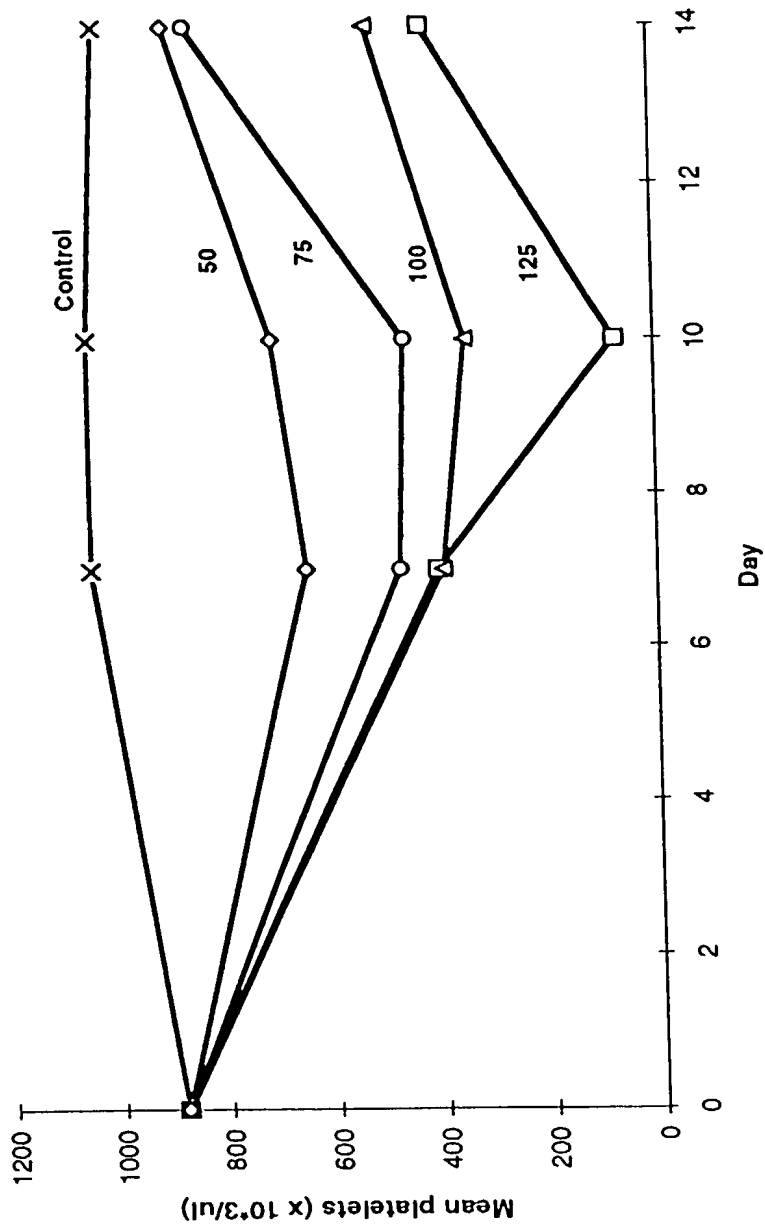
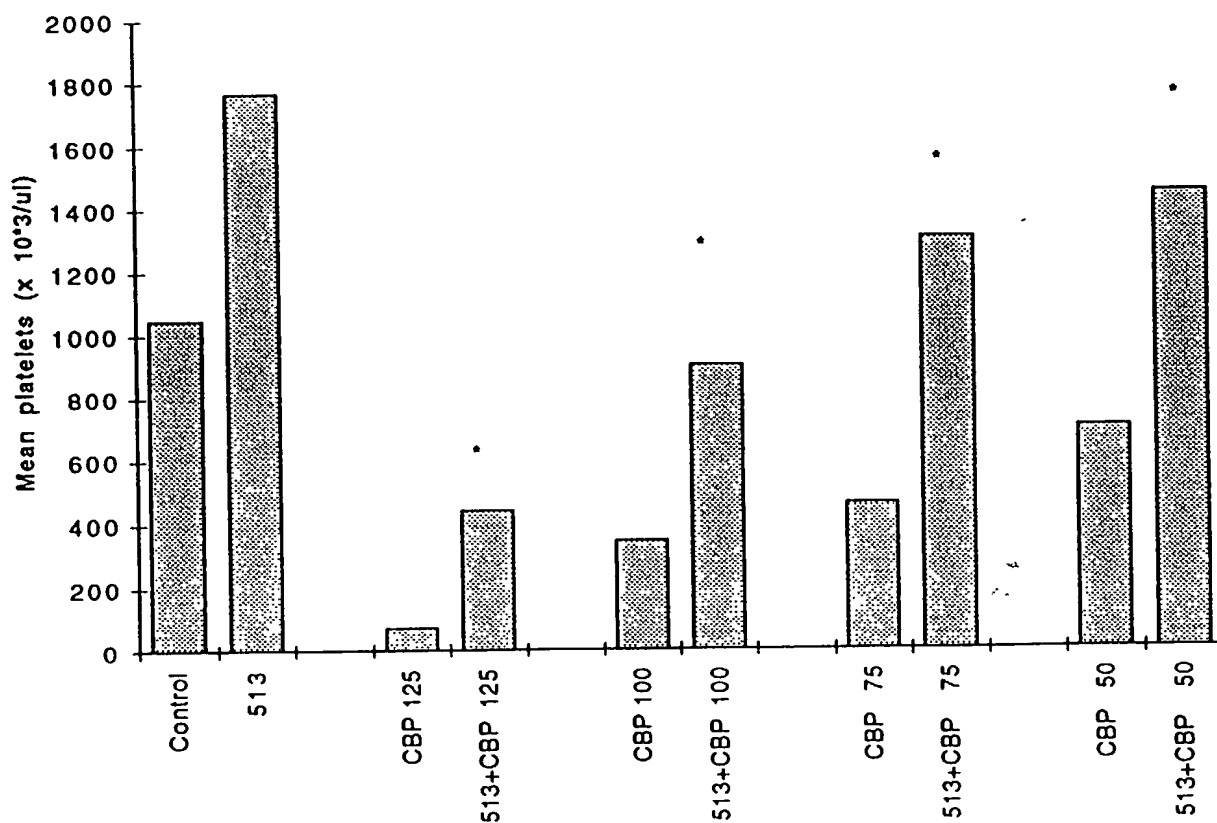


FIG. 8

**Amelioration of Carboplatin-induced
Thrombocytopenia by AF12513 (Day 10)**



Carboplatin (CBP; 125-50 mg/kg, ip) was given on Day 0.
AF12513 (513; 1 mg/kg, ip) was given on Days 1-9.

* p= <0.05

FIG. 9